

Title (en)  
ANTIBACTERIAL PHAGE, TREATMENT COMPOSITION, DISINFECTANT, FOOD, KIT FOR IDENTIFYING BACTERIA, METHOD FOR PRODUCING TREATMENT COMPOSITION, METHOD FOR ELIMINATING BACTERIA, METHOD FOR IDENTIFYING BACTERIA, AND METHOD FOR TREATING ANIMALS

Title (de)  
ANTIBAKTERIELLE PHAGE, BEHANDLUNGSZUSAMMENSETZUNG, DESINFEKTIONSMITTEL, NAHRUNGSMITTEL, KIT ZUR IDENTIFIZIERUNG VON BAKTERIEN, VERFAHREN ZUR HERSTELLUNG EINER BEHANDLUNGSZUSAMMENSETZUNG, VERFAHREN ZUR BESEITIGUNG VON BAKTERIEN, VERFAHREN ZUR IDENTIFIZIERUNG VON BAKTERIEN UND VERFAHREN ZUR BEHANDLUNG VON TIEREN

Title (fr)  
PHAGE ANTIBACTÉRIEN, COMPOSITION DE TRAITEMENT, DÉSINFECTANT, ALIMENT, KIT D'IDENTIFICATION DE BACTÉRIES, PROCÉDÉ DE PRODUCTION D'UNE COMPOSITION DE TRAITEMENT, PROCÉDÉ D'ÉLIMINATION DE BACTÉRIES, PROCÉDÉ D'IDENTIFICATION DE BACTÉRIES ET PROCÉDÉ DE TRAITEMENT D'ANIMAUX

Publication  
**EP 3798304 A1 20210331 (EN)**

Application  
**EP 19807027 A 20190419**

Priority  
• JP 2018097751 A 20180522  
• JP 2019016801 W 20190419

Abstract (en)  
Provided are antibacterial phages that selectively kill bacteria having a drug resistance gene or the like. Antibacterial phage for this includes CRISPR-Cas13a with a target sequence that recognizes a specific gene as a target. This target sequence is designed as a spacer sequence for crRNA of 14 - 28 bases. Specific genes are drug resistance genes and toxins. The drug resistance genes are included in bacterial genomes and / or plasmids having one or any combination of the group including: methicillin-resistant staphylococcus aureus, vancomycin-resistant staphylococcus aureus, vancomycin-resistant enterococci, penicillin-resistant pneumococcus, multidrug-resistant Pseudomonas aeruginosa, multidrug-resistant Pseudomonas aeruginosa, carbapenem-resistant Pseudomonas aeruginosa, carbapenem-resistant cephalosporins, third-generation cephalosporin-resistant Pseudomonas aeruginosa, third-generation cephalosporin-resistant E. coli, and fluoroquinolone-resistant E. coli.

IPC 8 full level  
**C12N 15/00** (2006.01); **A23L 33/10** (2016.01); **A61K 35/76** (2015.01); **A61P 31/04** (2006.01); **C12N 7/01** (2006.01); **C12N 15/31** (2006.01); **C12Q 1/04** (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP US)  
**A23L 33/10** (2016.07 - EP US); **A61K 35/76** (2013.01 - EP US); **A61P 31/04** (2017.12 - EP); **C12N 15/113** (2013.01 - EP); **C12N 15/1137** (2013.01 - EP); **C12N 15/86** (2013.01 - EP); **C12Q 1/04** (2013.01 - EP); **C12Q 1/18** (2013.01 - EP); **C12Y 301/00** (2013.01 - EP); **C12N 2310/20** (2017.04 - EP); **C12N 2320/32** (2013.01 - EP); **C12N 2795/14132** (2013.01 - EP); **C12N 2795/14141** (2013.01 - EP); **C12N 2795/14143** (2013.01 - EP); **G01N 2333/005** (2013.01 - EP); **Y02A 50/30** (2017.12 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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